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Function Description:

Welcome to purchase and use this digital video camera. Before use, please read this user manual carefully.

With this digital video camera, you can take 300,000 pixels (VGA format) and 100,000 pixels (QVGA format) video shorts or photos. With the playback function, you can playback the taken video or photos with this digital video camera; in addition, you can download the video and photo from the digital video camera into your PC. When prepared, this user manual refers to the latest information. The screens and illustrations etc in this user manual are to particularly and visually detail the operation of the digital video camera. Due to technology development and different production batches, the digital video camera herein may be different from that you buy and use.

Notice for use:

General:

1. Never open the housing of the digital video camera; otherwise, some parts may cause electric shock.
2. Damp, pressure, collision and overheat may damage this digital video camera.

Memory and storage:

1. SD/MMC can be used (but not included in the packing list and maximal capacity 4GB).
2. When buying SD/MMC card, be sure to take the digital video camera with you so as to ensure compatibility.
3. When SD/MMC card is inserted, the memory of the digital video camera will not function.
4. SD card has a write-protect switch, which can be used to prevent wrong deletion of data. When this switch is pushed to the bottom and locked, the data in the card will be protected. However, when the card is in write-protect state, it cannot be used for shooting or deletion etc.
5. These memory cards cannot be used for permanent storage of data. You must copy the

documents in the digital video camera in the proper storage position.
6. When storing documents into the memory or the memory card, make sure that the size of the documents does not exceed the capacity of the memory.

Maintenance and care:

1. In use, always wear the wrist band so as to prevent slip.
2. Use proper protection sheath to avoid scratching the lens and screen.
3. To clean the lens, firstly blow away the dust on its surface, then use proper cloth or tissue for optical devices to clean the lens. If necessary, use lens cleanser. Never use organic cleanser to clean the digital video camera.
4. Never touch the lens with fingers.
5. When left idle for long, keep the digital video camera with the battery taken out in dry and dark place.

Other notices:

1. When switching image output between LCD display and video devices, be sure to exit from the play or record state.
2. This digital video camera is suitable the environment between 0□- 40□ (32□-104□). Never keep the digital video camera in the place at extremely high temperature, such as in the car parking under the burning sun, or with much damp. In order to prevent the digital video camera from condensation, when moving from a cold place to a warm place, be sure to keep it in sealed plastic bag, and open the bag and take it out when the digital video camera reaches the indoor temperature.
3. TV programs, movies, music, images and other resources may be protected by copyright; therefore, without prior permission, the shooting/use of these resources may violate copyright laws and regulations related. Please note that the resources under the protection of copyright can be used within the permission of related laws and regulations.

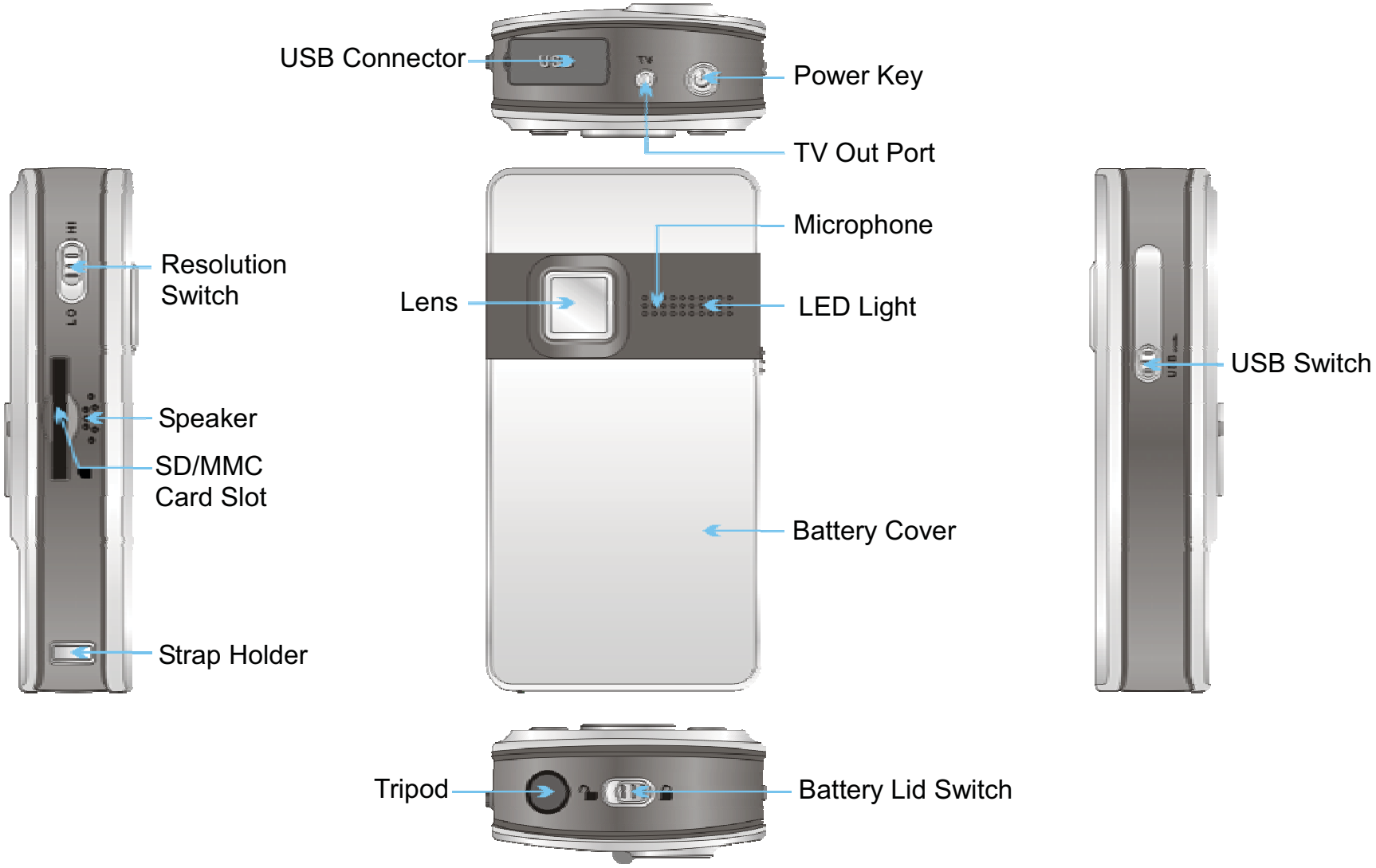
System requirements:

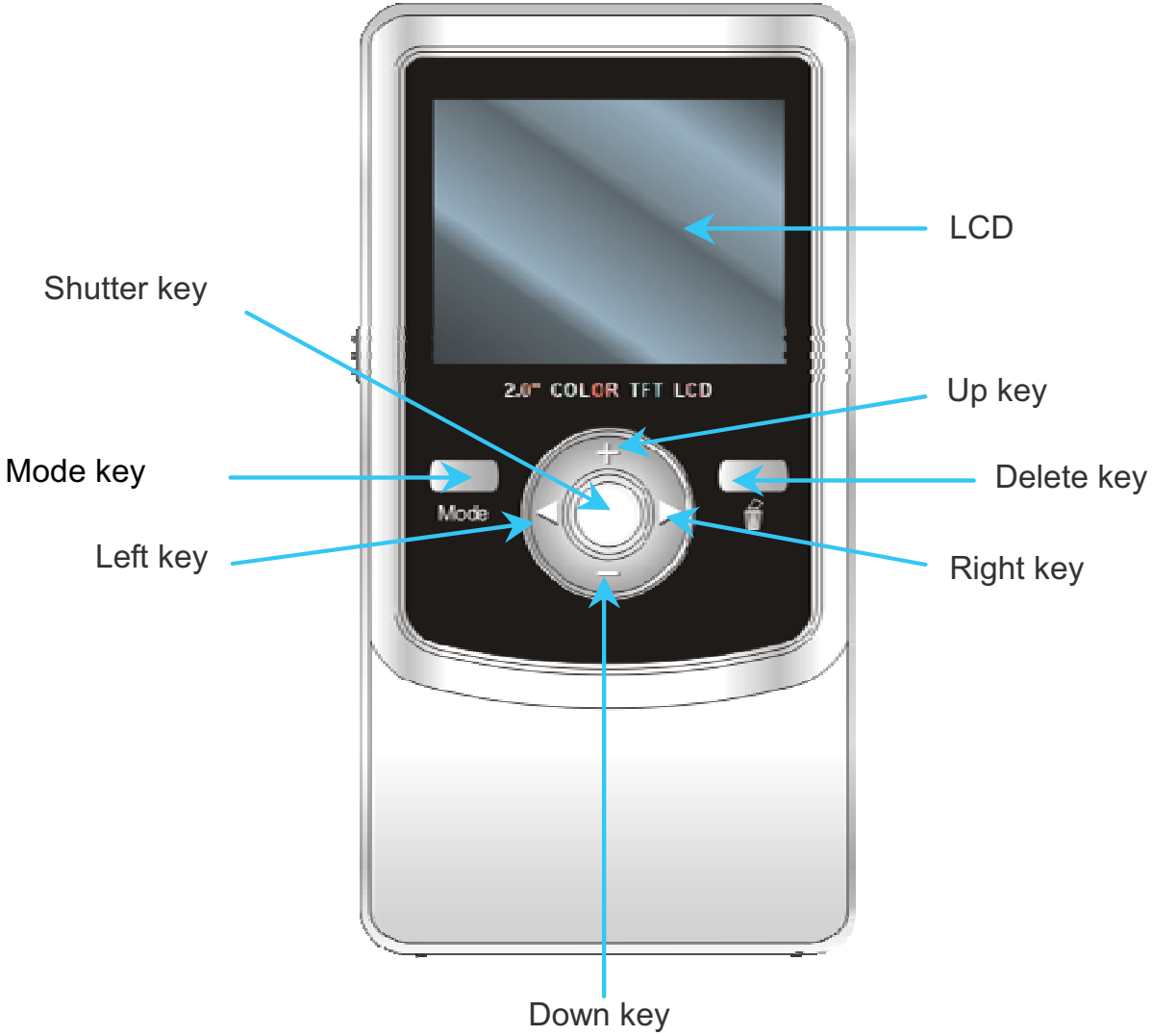
When operating and using this digital video camera, be sure to meet the requirements on the basic system for computer. It is strongly recommended to use the best computer units to operate the camera so as to bring its functions into full play. Below are the requirements on the basic system:

Operation System	Microsoft Windows Me,2000,XP, vista
CPU	Above Intel PIII667 or CPU of equal performance
Memory	Above 128 MB
Sound card and display card	DirectX8 or above.
CD-ROM	4× speed or above
Hard Disk	300 MB space above useable
Other	One standard USB 1.1 or USB 2.0 port

Start to use:

1. Appearance and Buttons




LCD
Shutter key
2.0" COLOR TFT LCD
Up key
Mode key
Mode
Delete key
Left key
Right key
Down key

2. Basic operation

2.1 Install battery

Slide the Battery Lid Switch( ) to “unlock” position.

Press / slide down the Battery Cover and insert two new AA alkaline batteries. Align with correct polarity of battery terminals. Close the Battery Cover and lock the Battery Lid Switch.

2.2 Use SD/MMC card

Insert the SD Memory card into the SD/MCC Card Slot. Push it down until the card stays latched.Do not force – check card’s position according to the position mark on the camera.

Push and release inserted card if you wish to remove or replace the card.

Turn your camcorder OFF before inserting / removing the SD Card.

- Note that the SD Card has a tiny LOCK switch on the side. Set the switch to un-LOCK position to be able to store recorded videos, still pictures on inserted SD Memory Card.

2.3 Power on/off

In power-off state, press and hold the power key ( ) to power on the camera.

In power-on state, press the power key ( ) to power off the camera.

In power-on state, let the camera idle for 1 minute to power off the camera automatically.

In power-on state, when battery level is very low, the red icon on the bottom left of the screen will flash and the camera will turn off after one second. You must replace the batteries.

2.4 Change mode

After power on, it will enter video record mode, press mode/play key to change mode between video record, capture and playback.

2.5 Change resolution

You can select High or Low resolution for recording videos or taking still pictures.

Slide the Resolution Switch located on camcorder's side and select desired position. LCD screen will display "Hi" or "Lo" indicating selected resolution.

2.6 Video record

In video record mode, press shutter key to begin video recording, press the shutter key again to stop recording.

Press up key or down key can zoom in or zoom out the image.

In playback mode, press Shutter key to start or stop play video.

2.7 Capture

In capture mode, press the shutter key to take a photo.

2.8 Playback videos and photos

In playback mode, press left or right key to select another file.

Press Shutter key to begin/stop play video, and press up key or down key to zoom in/out photo.

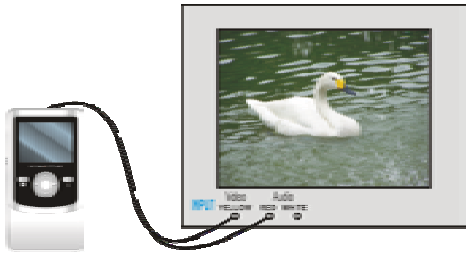
During playing video, press up/down key to increase/decrease volume.

Note:

- While the memory full for recording, the LCD will display "Memory Full", then the Camera will stop recording automatically.
- If the SD card was locked, when you press the Shutter key, the camera LCD will display “Card Locked” and it can not recording too.
- Before inert or remove the card, please turn off the camera first. In power-on state, the camera will automatically shut down if the memory card is removed

2.9 TV output

After the camera is powered on, insert the terminal of the TV cable into the TV output port of the camera, and yellow port of the other terminal should be connected to VIDEO IN port of TV， red(or white) port of the other terminal should be connected to AUDIO IN port of TV.



2.10 Delete files

- At the Playback mode you can press Delete button to enter “Delete Current?” option, or pressing twice to enter “Delete All?” option.
- Press Shutter / OK button to confirm your selection and execute deleting, press any other button to abort deleting and exit Delete mode.

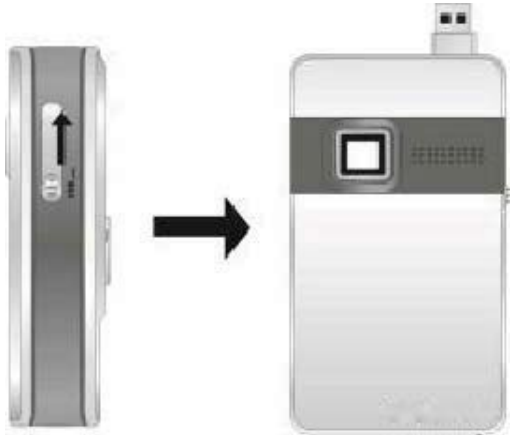
Note: “Delete All” option will lead to deleting all stored Video and Still pictures; remember save and store your valuable images and video before executing deleting.

2.11 Connect to PC

1. Slide the USB Switch UP to extend the USB connector. And t urn the camcorder ON.
2. Insert camcorder USB connector into computer’s USB port, or use supplied USB extension cable to make connection.

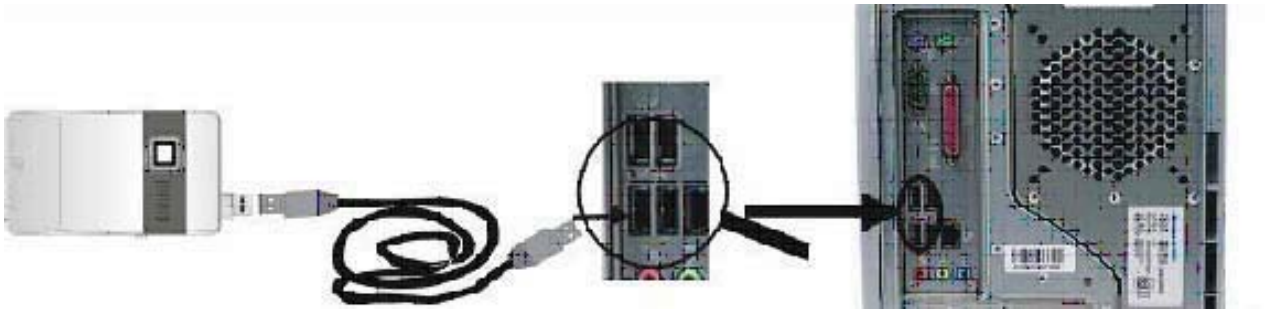
2.12 Download files from camera to PC

1. After connecting to computer, go to "My Computer” and open the "Removable Disc." The photos or videos will be saved in the \DCIM\ 100MEDIA folder in the removable disc. Choose the desired photo/video in the 100MEDIA folder and copy (drag with mouse) it into the target folder in the HD of the computer.
2. You can use ArcSoft VideoImpression and PhotoImpression to edit videos and photos.
3. ArcSoft VideoImpression and PhotoImpression can be installed from CD attached.



▲ Open USB port

▲Connect camera to PC (1)



▲ Connect camera to PC (2)

Application of Attached ArcSoft PhotoImpression and VideoImpression:

There are two software in CD provided for image processing: PhotoImpression and VideoImpression.

Introduction interface for software installation

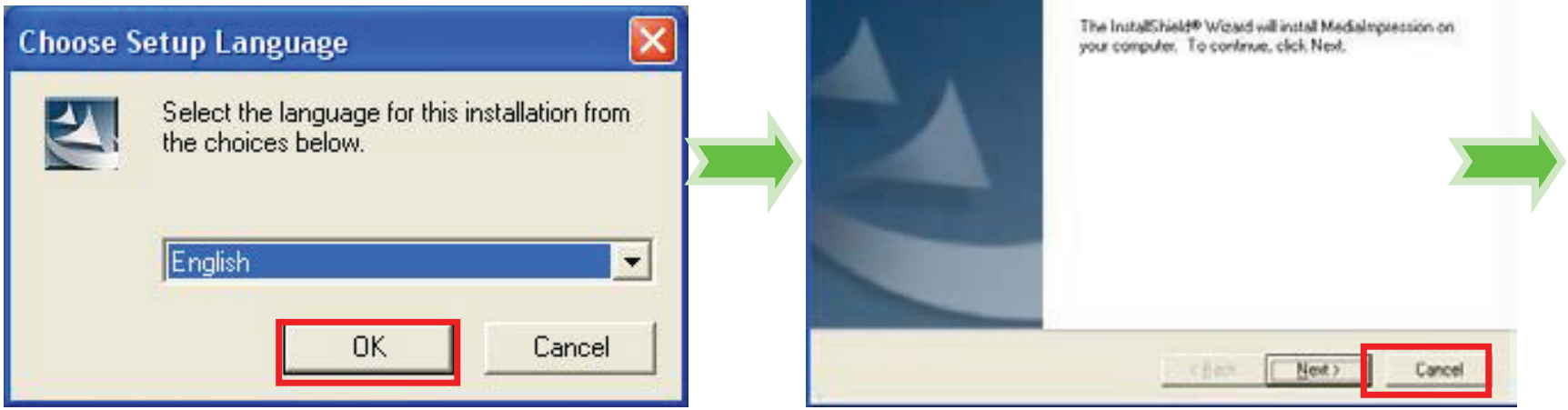
Put the CD attached into the CD-ROM of the computer, then the following menu will occur:

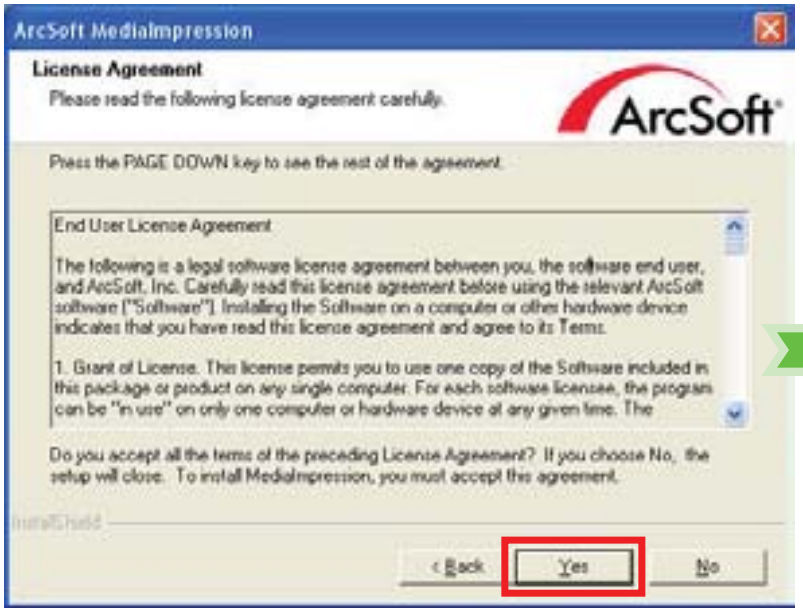
- If the CD driver does not automatically carry out or close such function, please click **autorun.exe** program under the root directory of the CD.

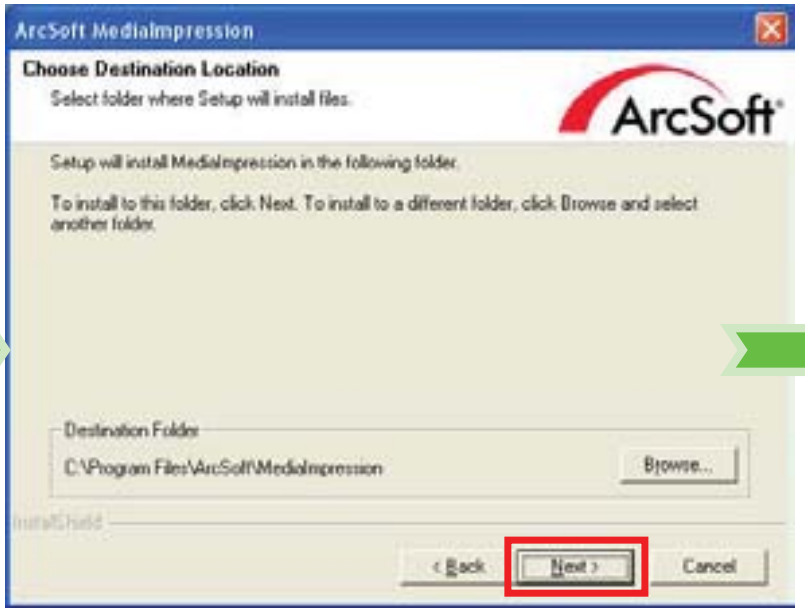
How to upload your video clips to YouTube

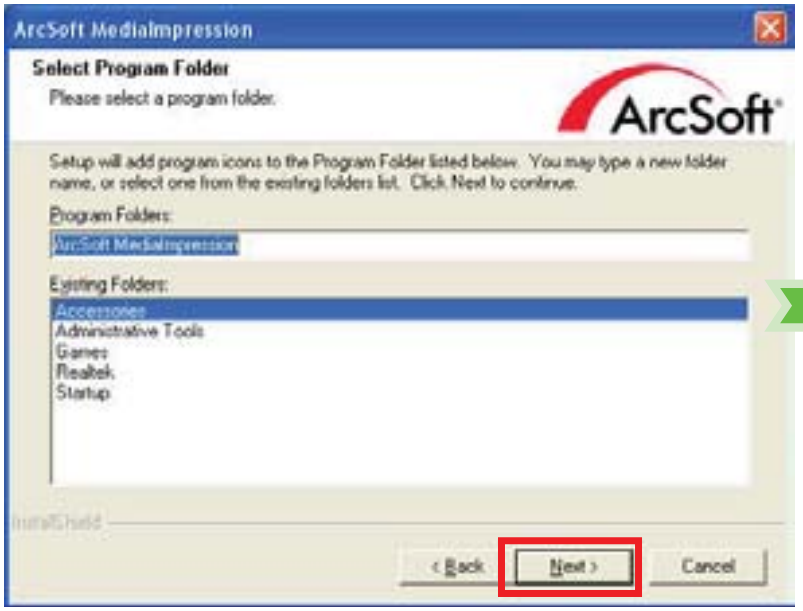
Install the ArcSoft MediaImpression program

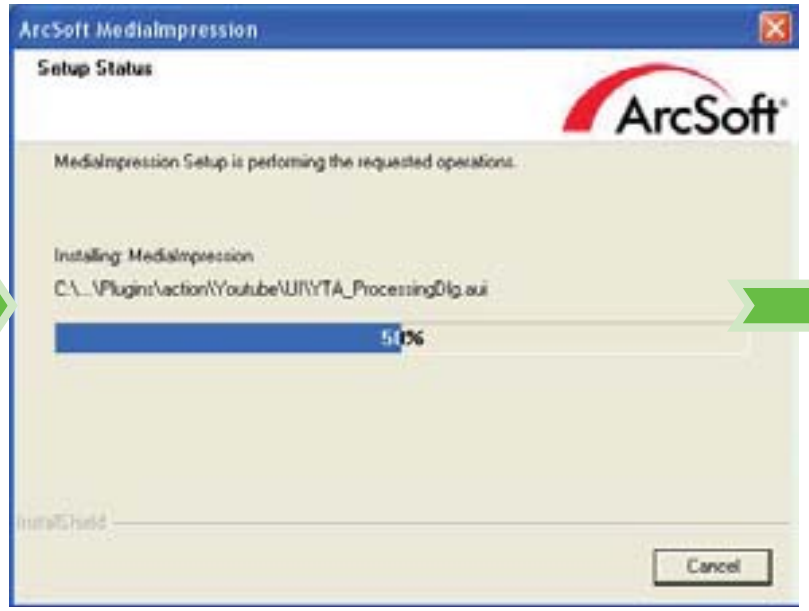
Click “Install MediaImpression”, Follow on-screen instructions and complete installation

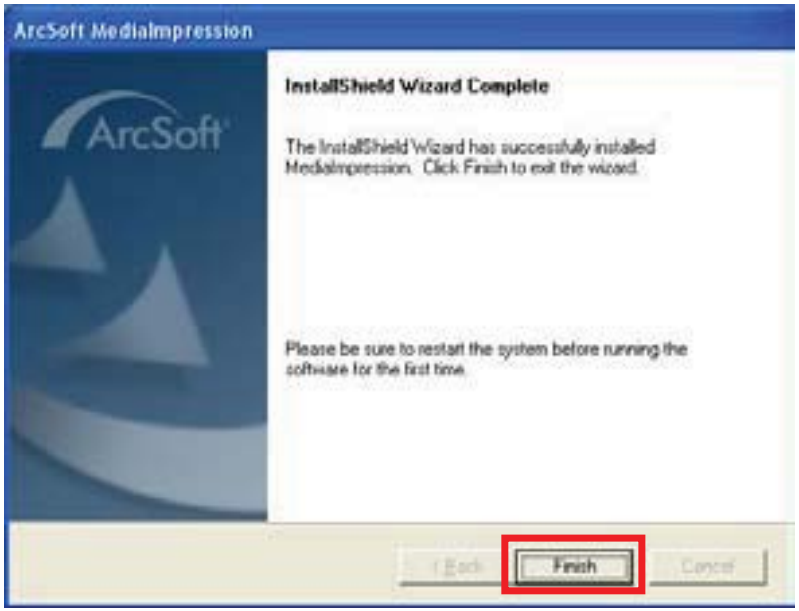



ArcSoft MediaImpression
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
End User License Agreement
The following is a legal software license agreement between you, the software end user, and ArcSoft, Inc. Carefully read this license agreement before using the relevant ArcSoft software ("Software"). Installing the Software on a computer or other hardware device indicates that you have read this license agreement and agree to its Terms.
1. Grant of License. This license permits you to use one copy of the Software included in this package or product on any single computer. For each software licensee, the program can be "in use" on only one computer or hardware device at any given time. The
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install MediaImpression, you must accept this agreement.
InstallShield
< Back
Yes
No


ArcSoft MediaImpression
Choose Destination Location
Select folder where Setup will install files.
ArcSoft
Setup will install MediaImpression in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ArcSoft\MediaImpression
Browse...
InstallShield
< Back
Next >
Cancel


ArcSoft MediaImpression
Select Program Folder
Please select a program folder.
ArcSoft
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.
Program Folders:
ArcSoft MediaImpression
Existing Folders:
Accessories
Administrative Tools
Games
Realtek
Startup
InstallShield
< Back
Next >
Cancel


ArcSoft MediaImpression
Setup Status
ArcSoft
MediaImpression Setup is performing the requested operations.
Installing MediaImpression
C:\...\Plugins\action\Youtube\UI\YTA_ProcessingDlg.ui
50%
InstallShield
Cancel


ArcSoft MediaImpression
ArcSoft
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed MediaImpression. Click Finish to exit the wizard.
Please be sure to restart the system before running the software for the first time.
Back
Finish
Cancel

ArcSoft MediaImpression icon will appear on computer's desktop when installation is complete.

Using ArcSoft MediaImpression

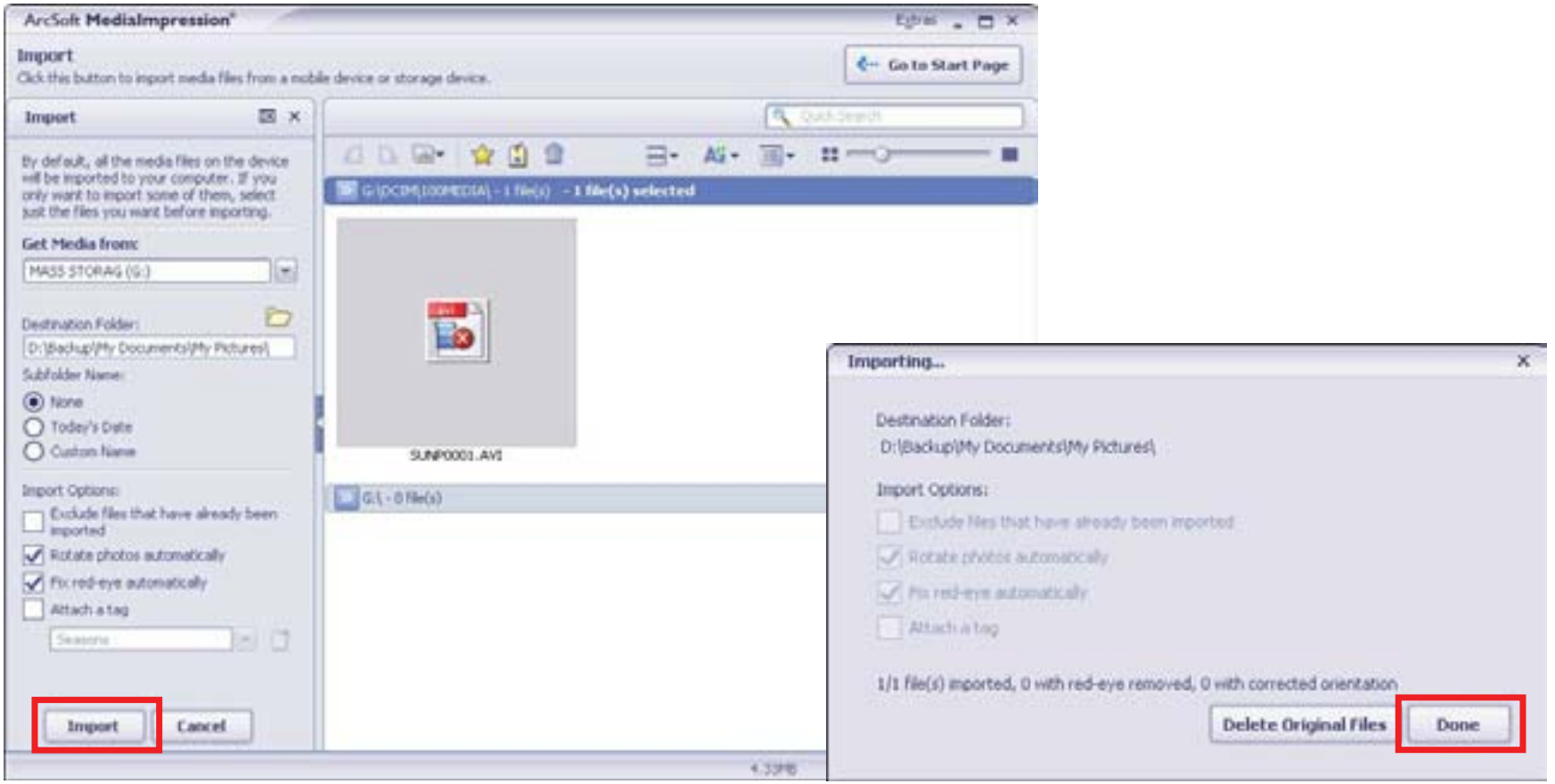
Connect your camcorder to the computer. Double click MediaImpression icon on the Desktop.

The MediaImpression software main screen will open on the computer's desktop:

ArcSoft MediaImpression
Extras
Welcome to ArcSoft MediaImpression.
Choose a media type or action from the options below.
Pictures
Music
Video
All Media
Import
Welcome to ArcSoft MediaImpression. You can conveniently manage your media content and create projects here. Click a button on the left to get started.
Skip this page when you launch the program

Click Import Option on the main screen and enter into “Import” screen. Then select the files in the camcorder that you want to upload to the computer and click

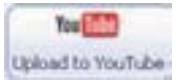
Option.


ArcSoft MediaImpression
Import
Click this button to import media files from a mobile device or storage device.
Go to Start Page
Import
By default, all the media files on the device will be imported to your computer. If you only want to import some of them, select just the files you want before importing.
Get Media from:
MASS STORAG (G:)
Destination Folder:
D:\Backup\My Documents\My Pictures\
Subfolder Name:
None
Today's Date
Custom Name
Import Options:
Exclude files that have already been imported
Rotate photos automatically
Fix red-eye automatically
Attach a tag
Import
Cancel
G:\DCIM\100MEDIA\ - 1 file(s) - 1 file(s) selected
SUNP0001.AVI
G:\ - 0 file(s)
Importing...
Destination Folder:
D:\Backup\My Documents\My Pictures\
Import Options:
Exclude files that have already been imported
Rotate photos automatically
Fix red-eye automatically
Attach a tag
1/1 file(s) imported, 0 with red-eye removed, 0 with corrected orientation
Delete Original Files
Done

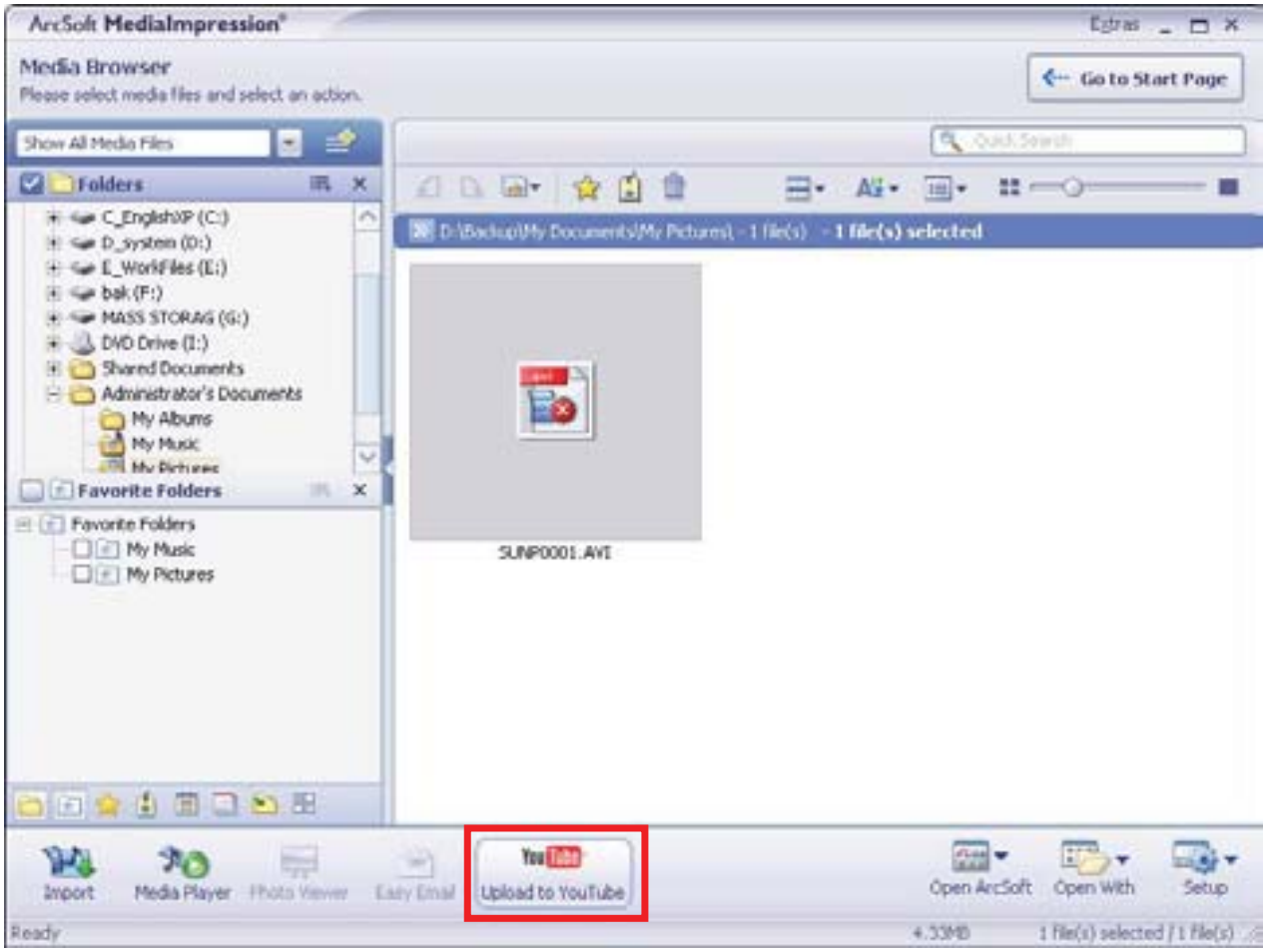
After importing the file has been completed, click on the “Importing…”window and enter into “MediaBrowser” window.

Note: On the main screen, you can also click other options such as to

enter into”MediaBrowser” window. Then select the files in the computer for uploading.

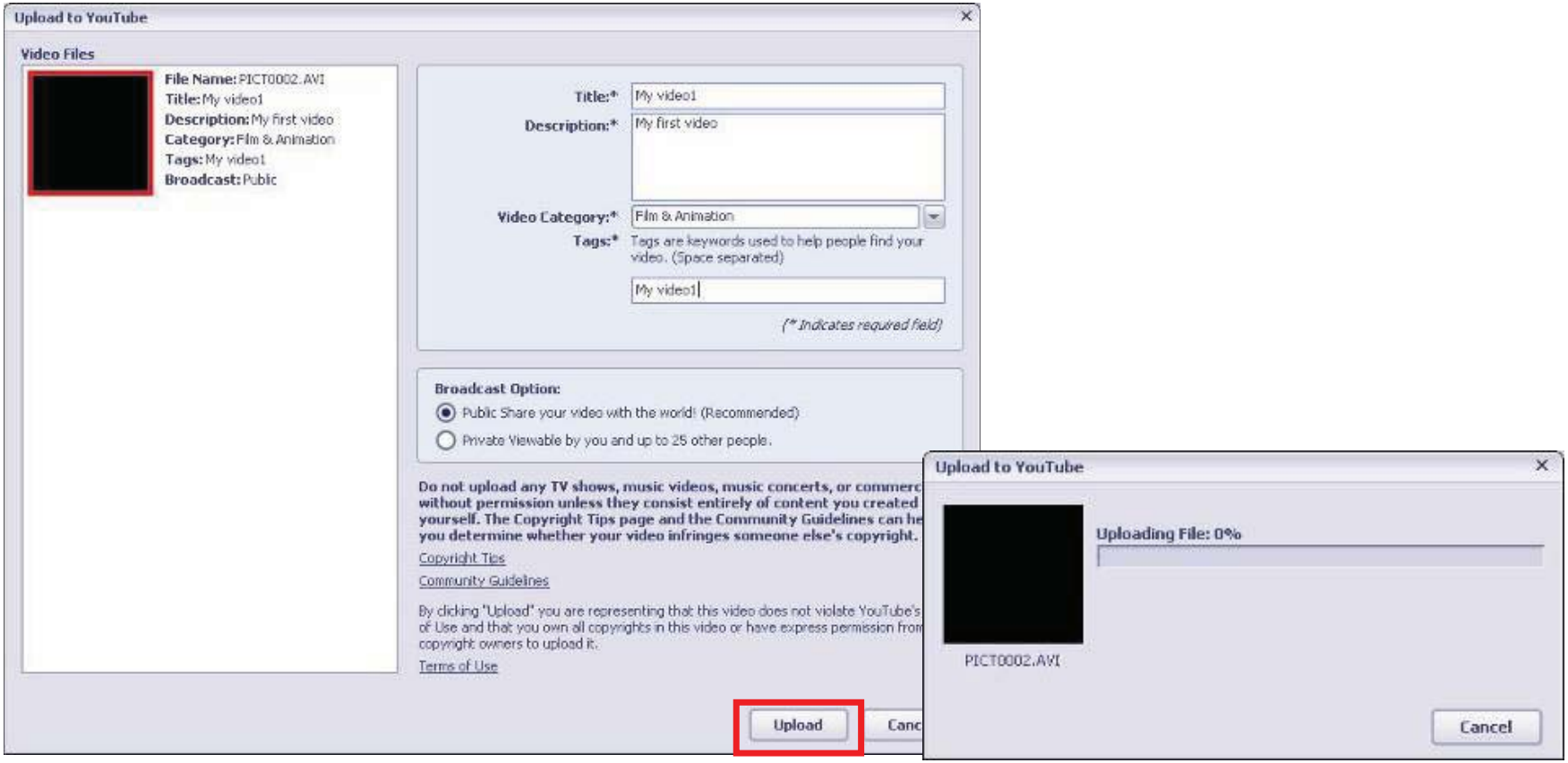
Select the video you wish upload to You Tube on”MediaBrowser”screen and then click 

option to access your YouTube log-in screen.



On”Login”screen, please enter your YouTube Username and Password (you can select the corresponding option underneath to save the Username and Password so that you do not need to input these data next time). Then click Login option.

When”Upload to YouTube”screen appears, fill in Title, Description, etc. Then click Upload option and start uploading selected video.

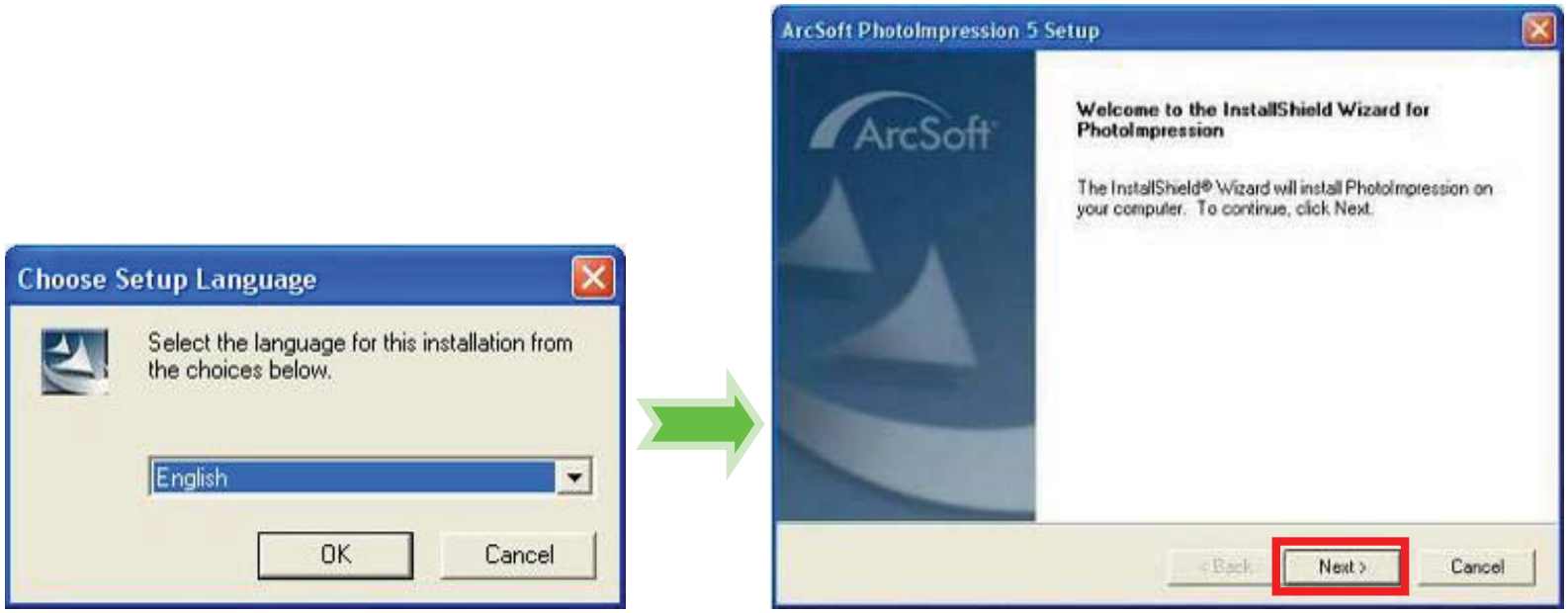

Upload to YouTube
Video Files
File Name: PICT0002.AVI
Title: My video1
Description: My first video
Category: Film & Animation
Tags: My video1
Broadcast: Pubic
Title:*
My video1
Description:*
My first video
Video Category:*
Film & Animation
Tags:*
Tags are keywords used to help people find your video. (Space separated)
My video1
(* Indicates required field)
Broadcast Option:
Public Share your video with the world! (Recommended)
Private Viewable by you and up to 25 other people.
Do not upload any TV shows, music videos, music concerts, or commerc
without permission unless they consist entirely of content you created
yourself. The Copyright Tips page and the Community Guidelines can he
you determine whether your video infringes someone else's copyright.
Copyright Tips
Community Guidelines
By clicking "Upload" you are representing that this video does not violate YouTube's
of Use and that you own all copyrights in this video or have express permission fro
copyright owners to upload it.
Terms of Use
Upload
Canc
Upload to YouTube
Uploading File: 0%
PICT0002.AVI
Cancel

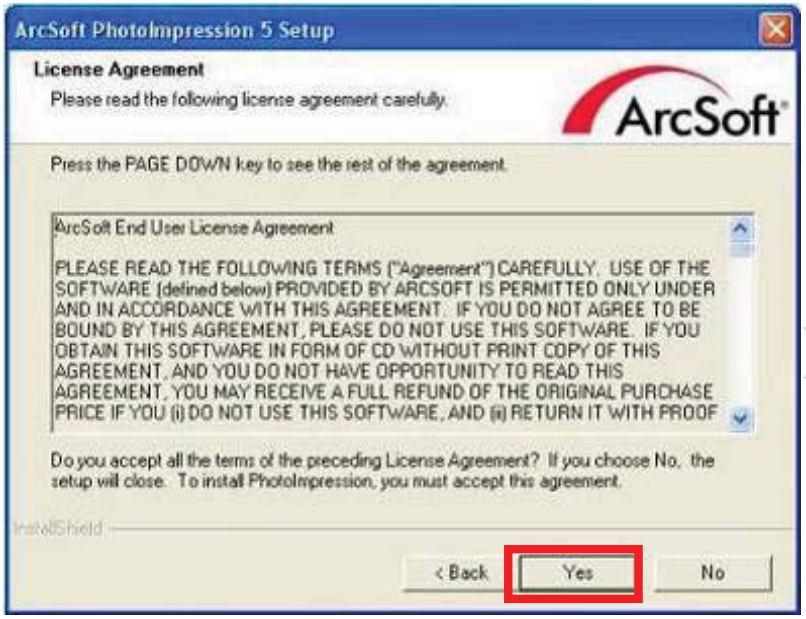
Click “Cancel” if you wish to stop upload, otherwise continue for successful uploading.

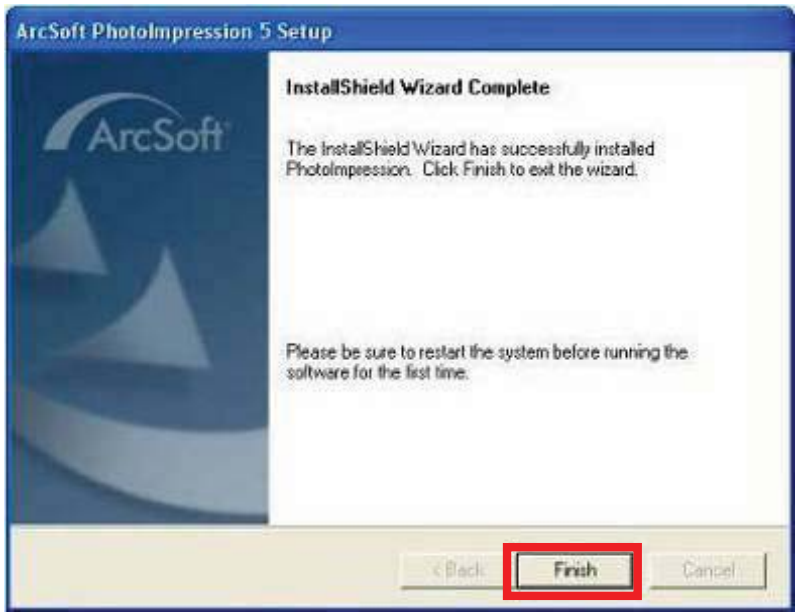
PhotoImpression 5 Installation and Use:

Install PhotoImpression5:

Click “Install PhotoImpression” button, complete the installation as per the tips.


Choose Setup Language
Select the language for this installation from the choices below.
English
OK
Cancel
ArcSoft PhotoImpression 5 Setup
ArcSoft
Welcome to the InstallShield Wizard for PhotoImpression
The InstallShield® Wizard will install PhotoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel

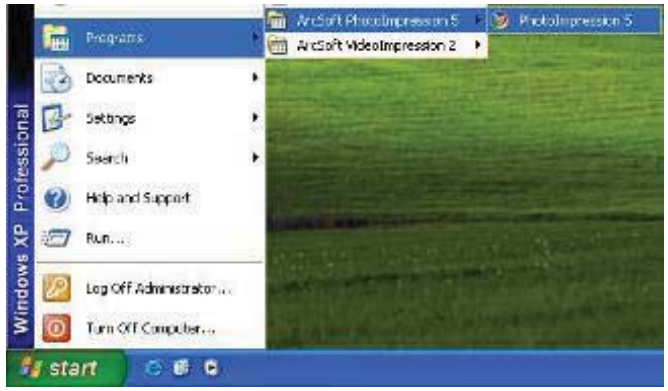

ArcSoft PhotoImpression 5 Setup
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
ArcSoft End User License Agreement
PLEASE READ THE FOLLOWING TERMS ("Agreement") CAREFULLY. USE OF THE SOFTWARE (defined below) PROVIDED BY ARCSOFT IS PERMITTED ONLY UNDER AND IN ACCORDANCE WITH THIS AGREEMENT. IF YOU DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE DO NOT USE THIS SOFTWARE. IF YOU OBTAIN THIS SOFTWARE IN FORM OF CD WITHOUT PRINT COPY OF THIS AGREEMENT, AND YOU DO NOT HAVE OPPORTUNITY TO READ THIS AGREEMENT, YOU MAY RECEIVE A FULL REFUND OF THE ORIGINAL PURCHASE PRICE IF YOU (i) DO NOT USE THIS SOFTWARE, AND (ii) RETURN IT WITH PROOF
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PhotoImpression, you must accept this agreement.
InstallShield
< Back
Yes
No


ArcSoft PhotoImpression 5 Setup
ArcSoft
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed PhotoImpression. Click Finish to exit the wizard.
Please be sure to restart the system before running the software for the first time.
< Back
Finish
Cancel

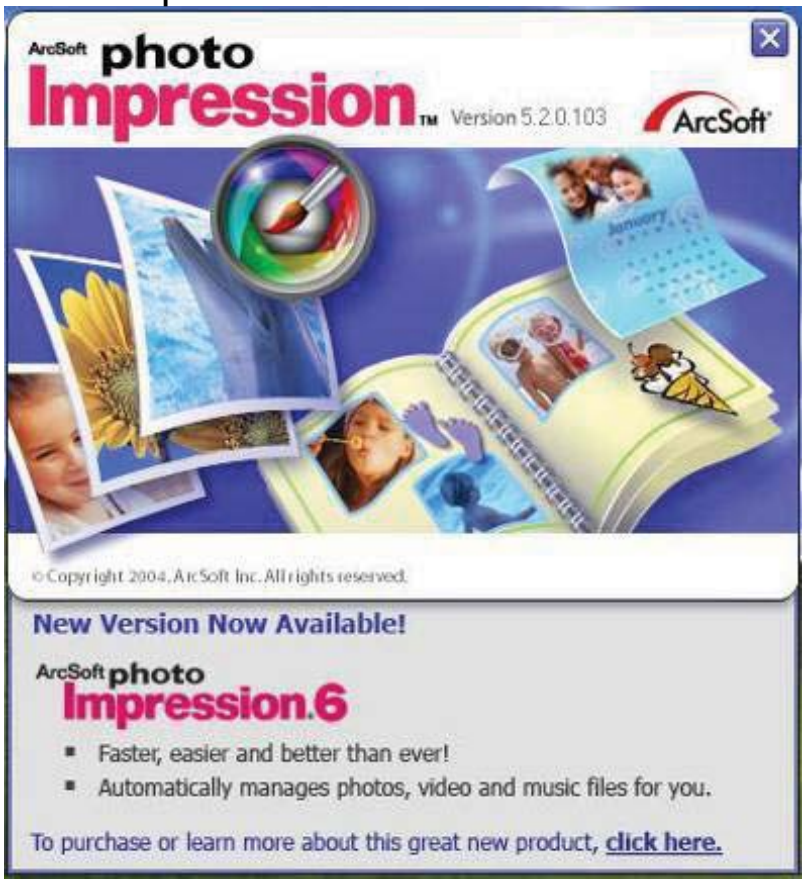
After installation, please restart the computer.

Run PhotoImpression5:

Double click icon on the desktop, or open PhotoImpression 5 via “Start→ Programs”.

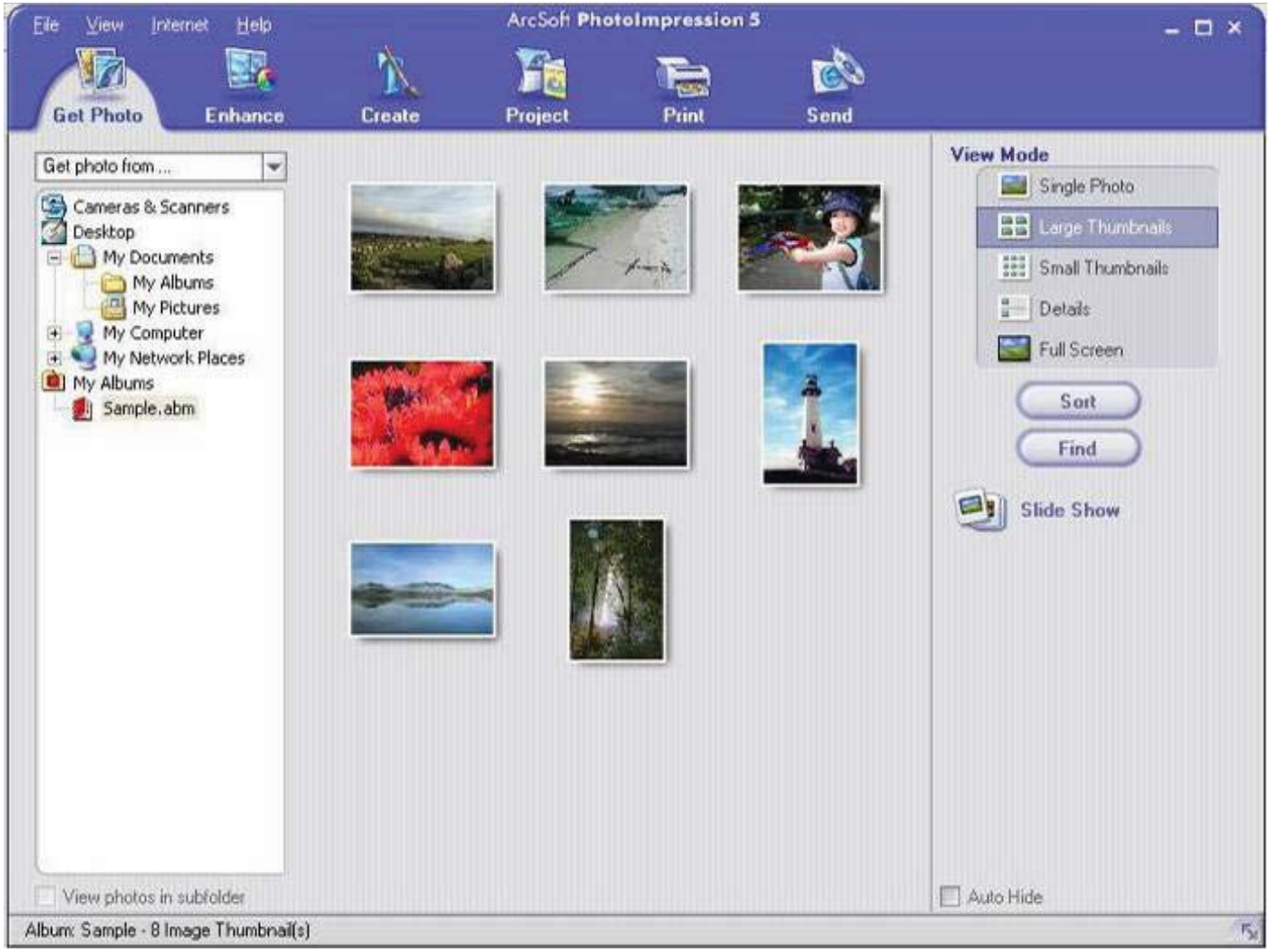


When PhotoImpression5 is opened, the following window will occur. Click the center of the widow with the left key of the mouse to shut the window. After the window is off, you can open PhotoImpression.

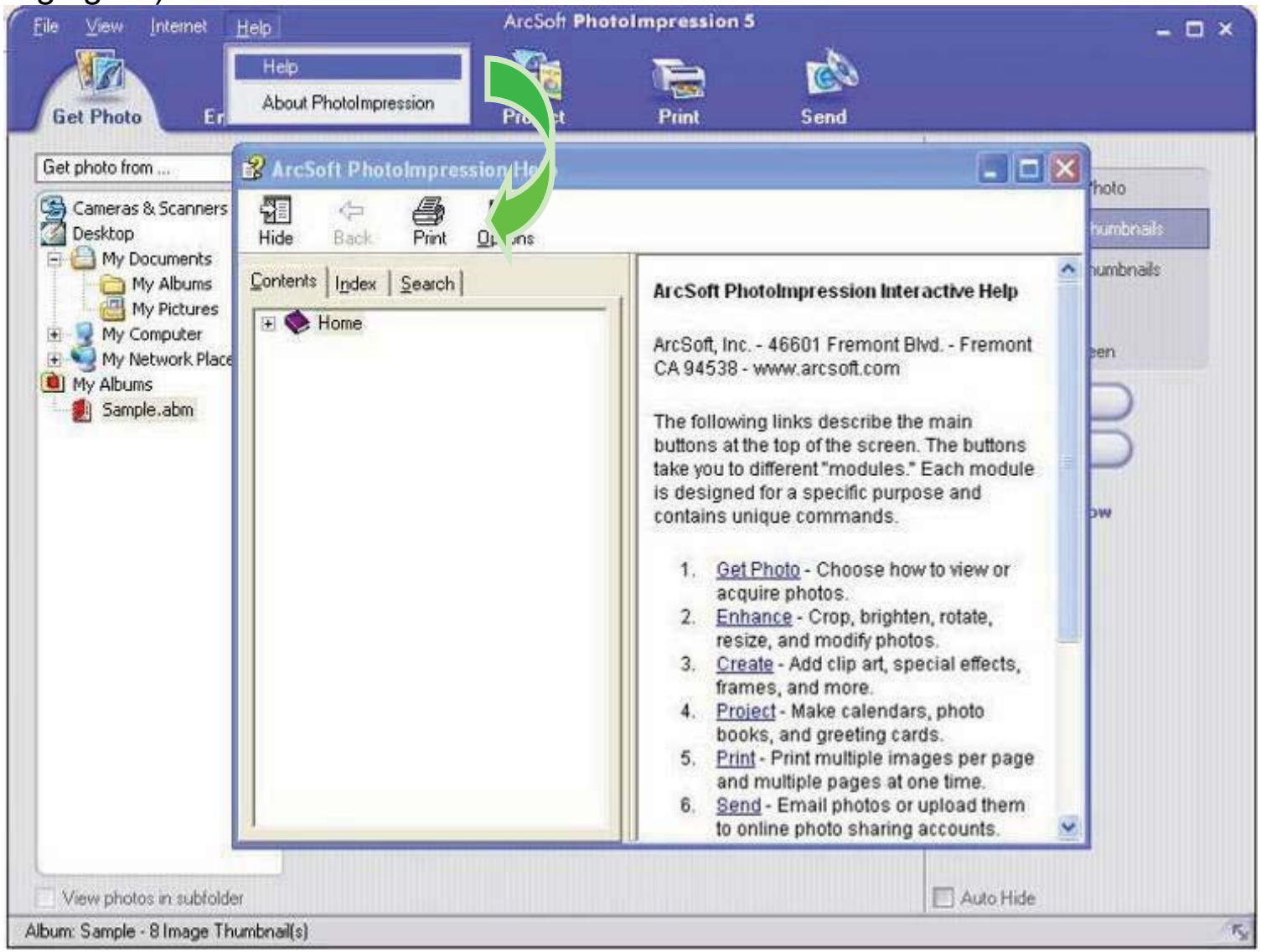

ArcSoft photo Impression™ Version 5.2.0.103
ArcSoft
© Copyright 2004, ArcSoft Inc. All rights reserved.
New Version Now Available!
ArcSoft photo Impression 6
Faster, easier and better than ever!
Automatically manages photos, video and music files for you.
To purchase or learn more about this great new product, click here.

After PhotoImpression is open, “Get Photo” window will occur:

After choosing and opening photos in the “Get Photo”, the chosen photo will be displayed in the central area of the program. And then you can edit the chosen photo.

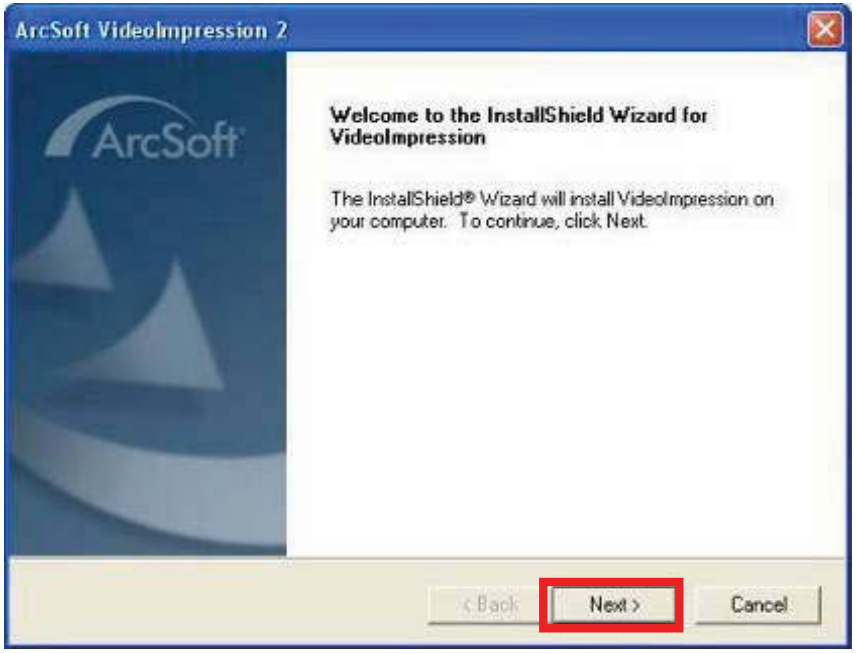

File View Internet Help
ArcSoft PhotoImpression 5
Get Photo
Enhance
Create
Project
Print
Send
Get photo from ...
Cameras & Scanners
Desktop
My Documents
My Albums
My Pictures
My Computer
My Network Places
My Albums
Sample.abm
View photos in subfolder
View Mode
Single Photo
Large Thumbnails
Small Thumbnails
Details
Full Screen
Sort
Find
Slide Show
Auto Hide
Album: Sample - 8 Image Thumbnail(s)

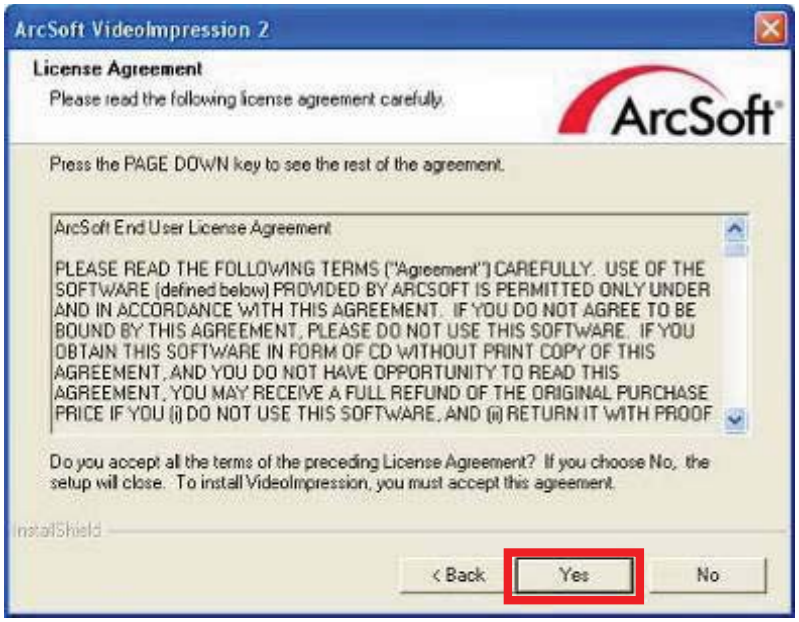
For the detailed instructions of PhotoImpression, please refer to Help in the program (as the following figure).


File View Internet Help
ArcSoft PhotoImpression 5
Help
About PhotoImpression
Get Photo
Print
Send
Get photo from ...
Cameras & Scanners
Desktop
My Documents
My Albums
My Pictures
My Computer
My Network Place
My Albums
Sample.abm
ArcSoft PhotoImpression Help
Hide
Back
Print
Contents
Index
Search
Home
ArcSoft PhotoImpression Interactive Help
ArcSoft, Inc. - 46601 Fremont Blvd. - Fremont CA 94538 - www.arcsoft.com
The following links describe the main buttons at the top of the screen. The buttons take you to different "modules." Each module is designed for a specific purpose and contains unique commands.
1. Get Photo - Choose how to view or acquire photos.
2. Enhance - Crop, brighten, rotate, resize, and modify photos.
3. Create - Add clip art, special effects, frames, and more.
4. Project - Make calendars, photo books, and greeting cards.
5. Print - Print multiple images per page and multiple pages at one time.
6. Send - Email photos or upload them to online photo sharing accounts.
View photos in subfolder
Auto Hide
Album: Sample - 8 Image Thumbnail(s)

VideoImpression 2 Installation and Use:
Install VideoImpression 2:

Click “Install VideoImpression” button and complete the installation as per the tips.


ArcSoft VideoImpression 2
ArcSoft
Welcome to the InstallShield Wizard for VideoImpression
The InstallShield® Wizard will install VideoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel


ArcSoft VideoImpression 2
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
ArcSoft End User License Agreement
PLEASE READ THE FOLLOWING TERMS ("Agreement") CAREFULLY. USE OF THE SOFTWARE (defined below) PROVIDED BY ARCSOFT IS PERMITTED ONLY UNDER AND IN ACCORDANCE WITH THIS AGREEMENT. IF YOU DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE DO NOT USE THIS SOFTWARE. IF YOU OBTAIN THIS SOFTWARE IN FORM OF CD WITHOUT PRINT COPY OF THIS AGREEMENT, AND YOU DO NOT HAVE OPPORTUNITY TO READ THIS AGREEMENT, YOU MAY RECEIVE A FULL REFUND OF THE ORIGINAL PURCHASE PRICE IF YOU (i) DO NOT USE THIS SOFTWARE, AND (ii) RETURN IT WITH PROOF
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install VideoImpression, you must accept this agreement.
InstallShield
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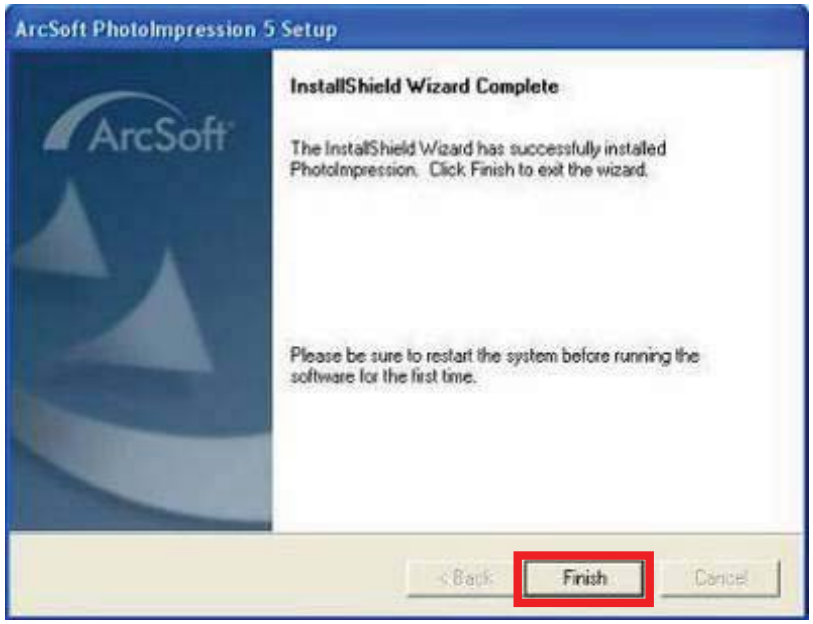
Yes
No


ArcSoft PhotoImpression 5 Setup
InstallShield Wizard Complete
ArcSoft
The InstallShield Wizard has successfully installed PhotoImpression. Click Finish to exit the wizard.
Please be sure to restart the system before running the software for the first time.
< Back
Finish
Cancel

After installation, please restart the computer.

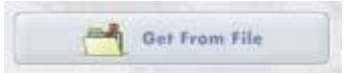
Run VideoImpression 2:

Double click the

icon on the desktop or follow “Start → Programs” to open VideoImpression 2.

After starting VideoImpress2, choose

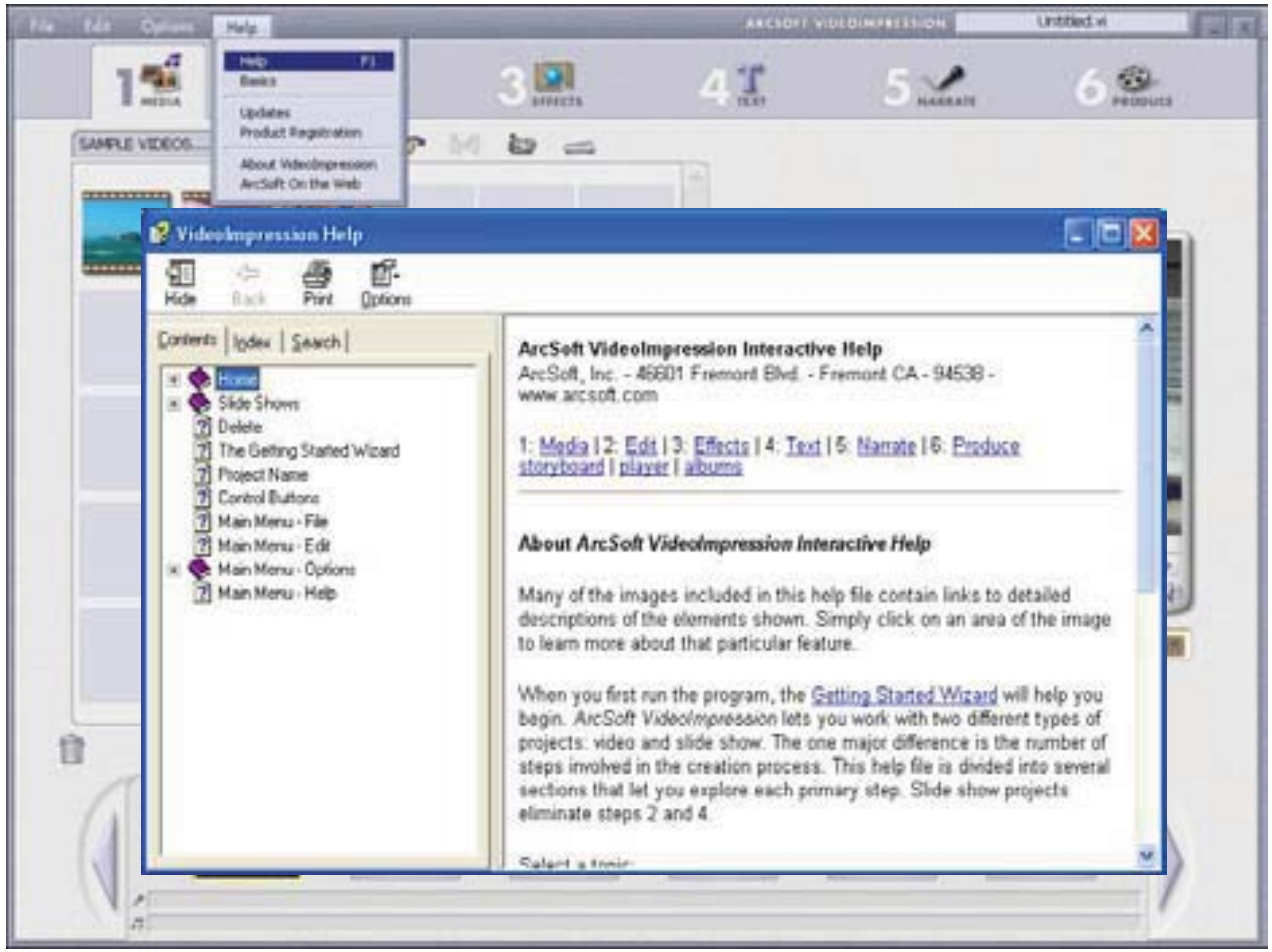
to create new video short.

Choose  to find the desired video short.

Choose and introduce the desired video short into VideoImpression2.

In VideoImpression, you can edit the introduced video short.

For other detailed operation, press F1 Help menu (as indicated below) to understand more power functions of this software.


VideoImpression Help
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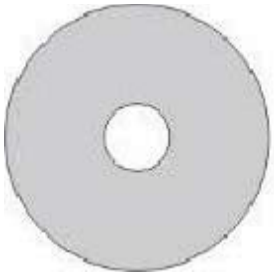
Control Buttons
Main Menu - File
Main Menu - Edit
Main Menu - Options
Main Menu - Help
ArcSoft VideoImpression Interactive Help
ArcSoft, Inc. - 46601 Fremont Blvd. - Fremont CA - 94538 -
www.arcsoft.com
1: Media | 2: Edit | 3: Effects | 4: Text | 5: Narrate | 6: Produce
storyboard | player | albums
About ArcSoft VideoImpression Interactive Help
Many of the images included in this help file contain links to detailed descriptions of the elements shown. Simply click on an area of the image to learn more about that particular feature.
When you first run the program, the Getting Started Wizard will help you begin. ArcSoft VideoImpression lets you work with two different types of projects: video and slide show. The one major difference is the number of steps involved in the creation process. This help file is divided into several sections that let you explore each primary step. Slide show projects eliminate steps 2 and 4.

Product specifications:

Image sensor	300,000pixels
Function mode	Record, playback, mobile disk, deletion
Lens	F2.4 f=3.6mm
Focus range	120cm~infinite
Digital focusing	4×
Shutter	Electronic
LCD display	2.0 inch TFT Display
Resolution	VGA 640×480, QVGA 320×240
White balance	Automatic
Exposure	Automatic
File format	AVI
Video out	TV out
Storage media	SD/MMC card(max. 4GB)
USB port	USB2.0 port
Dimension (LxWxH)	112.6 mm×58.6 mm×28.6mm
Weight	93g (Without Battery)

Standard accessories:



Installation CD

User manual

TV cable